

OBJECT MARKERS	
TYPE	NUMBER
TYPE 2 ("U" POST)	
TYPE 3 ("U" POST)	

DELINEATORS			
TYPE	FLEXIBLE DELINEATOR		RIGID DELINEATOR
	TYPE I ANCHOR	TYPE III ANCHOR	BRACKET MOUNT
TYPE A WHITE			
TYPE A' YELLOW			
TYPE B WHITE			
TYPE B' YELLOW			
TYPE A WHITE (BACK TO BACK)			
TYPE A' YELLOW (BACK TO BACK)			

[illegible]

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEET
KANSAS	105-KA-1865-01	2012	47	56
FEDERAL:				

REMOVALS	
TYPE	NUMBER
SIGNS	26
POSTS	26
FOOTINGS	26
SIGN STRUCTURES	

POST FOOTINGS AND PSST COUPLERS					
	CONCRETE FOOTING (DIA.)			PERFORATED SQUARE STEEL TUBE (PSST)	
	WOOD	A36 STEEL	A572 STEEL (ALT.)	PERFORATED SQUARE STEEL TUBE FOOTING	
	18"	24"	30"	24"	30"
NUMBER	32			1-3/4"	2"
FEET	96			2-1/4"	2-1/2"
				COUPLER	
				COUPLER WITH FOOTING	

BASE PLATES AND STUB POSTS				
	W6x9	W10x12	W10x22	
BREAKAWAY BASES	A572 STEEL (ALT)	A572 STEEL (ALT)	A572 STEEL (ALT)	A572 STEEL (ALT)
BASE PLATE (TOP)				
STUB POST WITH BASE PLATE				
NON-BREAKAWAY BASES				
BASE PLATE				

NUMBER & LENGTHS OF POSTS & ALUMINUM BEAMS (INFORMATION ONLY)							
LENGTH OF BEAM OR POST	4" x 6" POST		GALVANIZED STEEL BEAM POST			PERFORATED SQUARE STEEL TUBE (PSS7)	
	WOOD	STEEL	W6x9	W10x12	W10x12Z	1-3/4"	2"
FLAT SHEET SIGN			"U" POST				
REINFORCED PANEL SIGN			3 LBS/FT	A36 STEEL (ALT)	A572 STEEL (ALT)	A36 STEEL (ALT)	A572 STEEL (ALT)
STRUCTURAL TUBING			2 LBS/FT				
312 25 ALUMINUM BEAM			3 LBS/FT				
21 - 4'							
41' - 6'							
61' - 8'							
81' - 10'							
101' - 12'							
121' - 14'							
141' - 16'							
161' - 18'							
181' - 20'							
32							
201' - 22'							
221' - 24'							
241' - 26'							
261' - 28'							
281' - 30'							
301' - 32'							

Sl. No.	Date	Particulars	REMARKS	DATE	BY	DATE
1	1/2/68					
2						
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INITIALS AND REMOVALS

DISTRICT ONE

7/1/68

7/1/68

MOOT GRAPHIC CARTRIDGE 03-10-2012

Sl. No. 47

DATE 03-10-2012

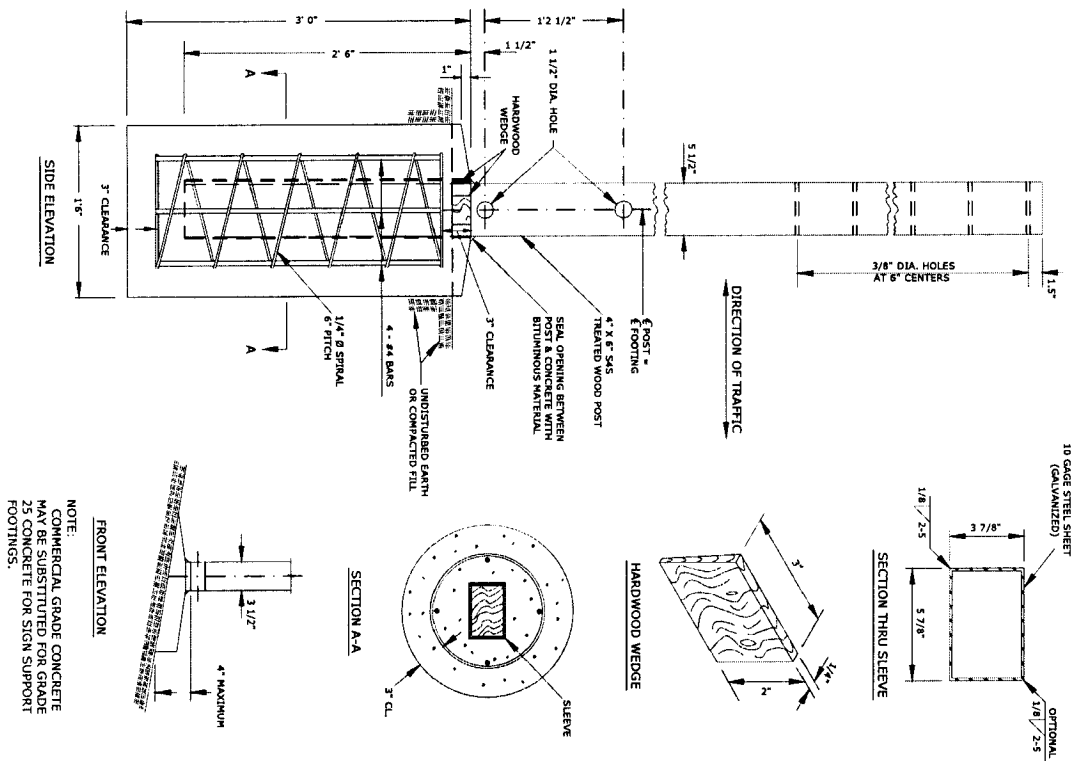
BY 03-10-2012

KOOT Graphics Certified

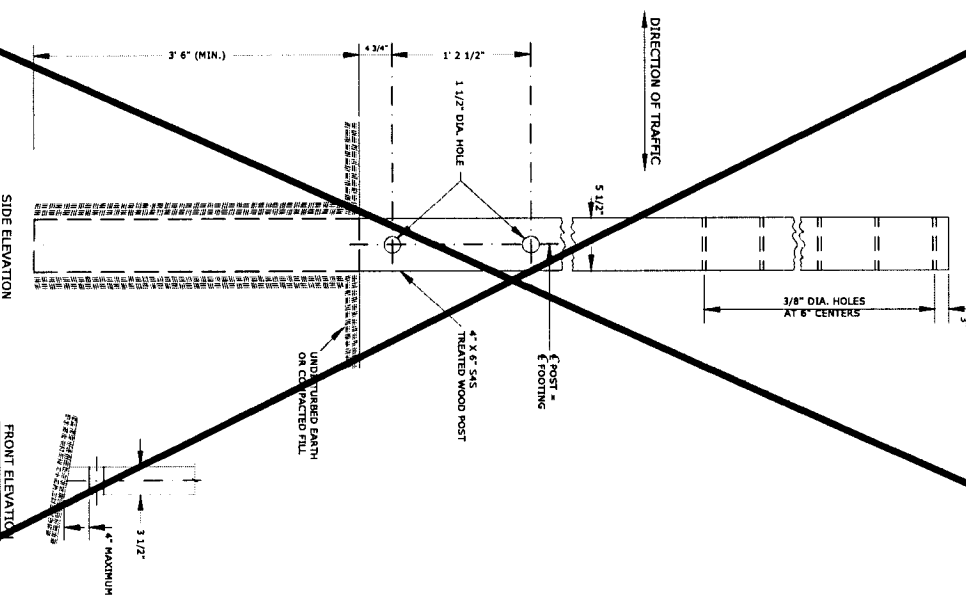
[illegible]

1	7/27/97	Completed the review of the New School (2007)	0.00	0.00
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4	7/27/97		0.00	0.00
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7	7/27/97		0.00	0.00
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10	7/27/97		0.00	0.00
11	7/27/97		0.00	0.00
12	7/27/97		0.00	0.00
13	7/27/97		0.00	0.00
14	7/27/97		0.00	0.00
15	7/27/97		0.00	0.00
16	7/27/97		0.00	0.00
17	7/27/97		0.00	0.00
18	7/27/97		0.00	0.00
19	7/27/97		0.00	0.00
20	7/27/97		0.00	0.00
21	7/27/97		0.00	0.00
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36	7/27/97		0.00	0.00
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60	7/27/97		0.00	0.00
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66	7/27/97		0.00	0.00
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72	7/27/97		0.00	0.00
73	7/27/97		0.00	0.00
74	7/27/97		0.00	0.00
75	7/27/97		0.00	0.00
76	7/27/97		0.00	0.00
77	7/27/97		0.00	0.00

# WOOD POST IN CONCRETE FOOTING



# WOOD POST IN SOIL



NOTE TO THE ENGINEER:  
THE INTENT OF THE ROADSIDE DESIGN  
GUIDE AND THESE PLANS IS TO HAVE A 4"  
OR LESS PROJECTION ABOVE THE GROUND  
LINE AFTER IMPACT.

DESIGN CONFORMS WITH ASHTO "STANDARD  
SPECIFICATIONS FOR STRUCTURAL SUPPORTS  
FOR SIGNS, LUMINAIRES, AND TRAFFIC  
SIGNALS 2002". FOUNDATION DESIGN  
CONFORMS WITH "DESIGN PROCEDURE  
COMPARISON WITH FULL-SCALE TESTS OF DRILLED  
SHAFTS FOR TRUCKS AND TRANSPORTATION  
INFRASTRUCTURE" (FHWA 1997).  
THE POST SLEEVE SHALL BE FORMED FROM  
STEEL SHEET WHICH WAS PRODUCED TO MEET  
THE REQUIREMENTS OF ASTM A653M AND ZINC  
COATED TO MEET THE REQUIREMENTS OF  
COATING DESIGNATION A123. IT IS  
PERMISSIBLE TO CLOSE THE BOTTOM OF THE  
SLEEVE WITH A METAL PLATE. BASIS OF  
ACCEPTANCE SHALL BE VISUAL INSPECTION  
OF THE FINISHED SLEEVE AND  
DETERMINATION  
OF ZINC THICKNESS BY MAGNETIC GAGE.  
ALL SIGN MOUNTING HOLES IN THE WOOD  
POST SHALL BE DRILLED PRIOR TO  
TREATING.  
BREAKAWAY HOLES AND FIELD CUTS SHALL  
BE TREATED IN ACCORDANCE WITH THE  
PRESERVATIVE TREATMENT SPECIFICATIONS.  
PRIOR TO SEALING THE OPENING BETWEEN  
THE WOOD POST AND THE TOP OF THE  
CONCRETE FOOTING, PLACE TWO HARDWOOD  
WEDGES INTO THE OPENING ON TWO ADJACENT  
SIDES OF POST AND FORCE DOWN TO WITHIN  
3/8" OF TOP OF FOOTING.

## GENERAL NOTES

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL
KANSAS	106-KA-1865-01	2012	50	56
TOTAL				

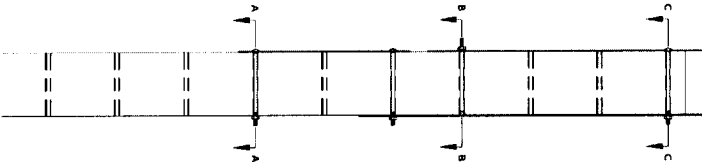
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5	7/1/03	5		
6	7/1/03	6		
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53	7/1/03	53		
54	7/1/03	54		
55	7/1/03	55		
56	7/1/03	56		

SIGN SIZE	A	B	C	D	E	F	G	T	AREA
60 X 24	60	24	6	12	12	36	0	0.100	10.00
60 X 30	60	30	6	18	12	36	0	0.100	12.50
60 X 36	60	36	6	24	12	36	0	0.100	15.00
60 X 42	60	42	6	30	12	36	0	0.100	17.50
60 X 48	60	48	9	30	12	36	0	0.100	20.00
60 X 60	60	60	12	36	12	36	0	0.100	25.00
72 X 12	72	12	3	6	15	42	0	0.100	6.00
72 X 18	72	18	3	12	15	42	0	0.100	9.00
72 X 24	72	24	6	12	15	42	0	0.100	12.00
72 X 30	72	30	6	18	15	36	0	0.100	15.00
72 X 36	72	36	6	24	15	42	0	0.100	18.00
72 X 42	72	42	6	30	15	42	0	0.100	21.00
72 X 48	72	48	9	30	15	42	0	0.100	24.00
84 X 18	84	18	6	12	15	48	0	0.100	10.50
84 X 30	84	30	6	18	18	48	0	0.100	17.50
84 X 36	84	36	6	24	18	48	0	0.100	21.00
84 X 42	84	42	6	30	18	48	0	0.100	24.50
84 X 48	84	48	9	30	18	48	0	0.100	28.00

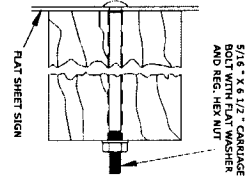
[illegible]

STATE	PRODUCT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	106-KA-1865-01	2012	51	56
FEDERAL				

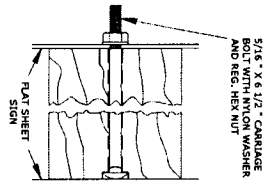
# TYPICAL MOUNTING OF FLAT SHEET SIGNS



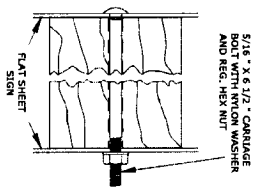
SECTION A-A



SECTION B-B

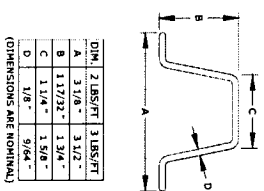


SECTION C-C



**NOTES:**  
THE TOP OF THE POST SHALL NOT EXTEND ABOVE THE TOP OF THE SIGN.  
WHEN SIGNS ARE MOUNTED BACK TO BACK, THE SIGNS SHALL BE MOUNTED AT THEIR PRESCRIBED HEIGHT. IN GENERAL, INSTALLATIONS, THE BOTTOM HOLES OF THE SIGNS SHOULD BE ALIGNED. IN ORDER TO PREVENT HAVING TO DRILL HOLES IN THE SIGN, THE POSTS SHOULD BE MOUNTED ON THE BACK OF THE SIGN. POSTS SHOULD BE MOUNTED ON THE BACK OF THE SIGN. WHEN A SIGN IS MOUNTED ON THE BACK OF THE SIGN, THE SIGN SHOULD BE ALIGNED.  
WHEN MOUNTED WITH ANOTHER SIGN (PRIMARY SIGN), THE ADVISORY PLATE, TYPE 1 OBJECT MARKER, OR SECONDARY SIGN, SHALL BE MOUNTED AT THEIR PRESCRIBED HEIGHT. THE PRIMARY SIGN SHALL BE MOUNTED AT THEIR PRESCRIBED HEIGHT, BUT UNDER NO CIRCUMSTANCES SHALL THE SIGNS OVERLAP EACH OTHER.  
ADDITIONAL MOUNTING HOLES, EITHER THROUGH THE SIGN OR POST, SHALL BE DRILLED BY THE CONTRACTOR. ALL HOLES DRILL IN THE POST SHALL BE TREATED WITH A PRESERVATIVE. ALL HOLES IN THE SIGN SHALL BE FREE OF ANY DEFECTS AND THE SHEETING AROUND THE HOLE SHALL NOT BE DAMAGED.

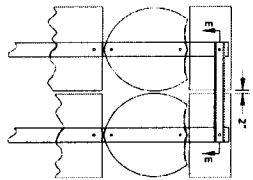
## 'U' POST DIMENSION DETAILS



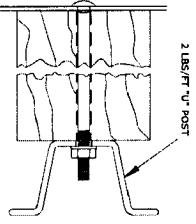
DIM.	2 LBS/FT	3 LBS/FT
A	3 1/8"	3 1/2"
B	1 1/2"	1 3/4"
C	1 1/4"	1 3/8"
D	1/8"	5/64"

(DIMENSIONS ARE NOMINAL)

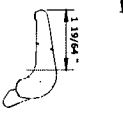
## ROUTE MARKER ASSEMBLY ATTACHMENT



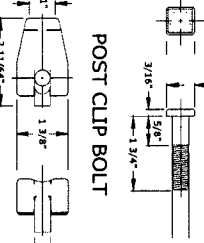
SECTION E-E



## POST CLIP

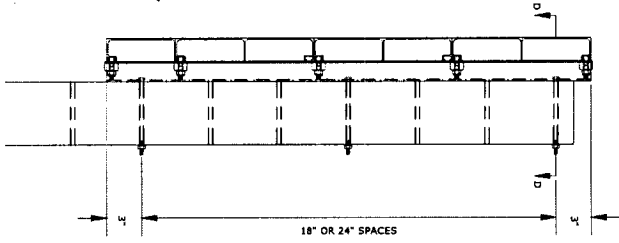


## POST CLIP BOLT

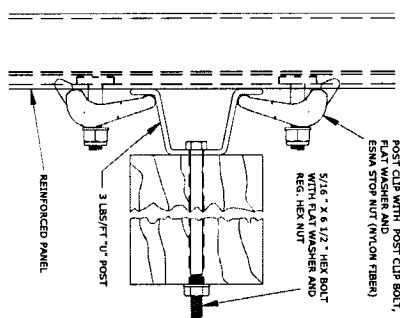


## TYPICAL MOUNTING OF REINFORCED PANEL SIGNS

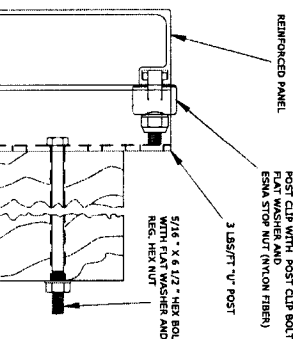
A NYLON WASHER SHALL BE USED WHEN A NUT IS TO BE TIGHTENED AGAINST THE SIGN FACE.  
WHEN THE 2 LBS/FT 'U' POST IS USED AS A ROUTE MARKER, THE ROUTE MARKER ATTACHMENT IT SHALL BE SUBSIDIARY TO THE BID ITEM 4\"/>



## TOP VIEW



## SIDE VIEW



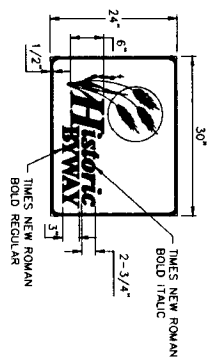
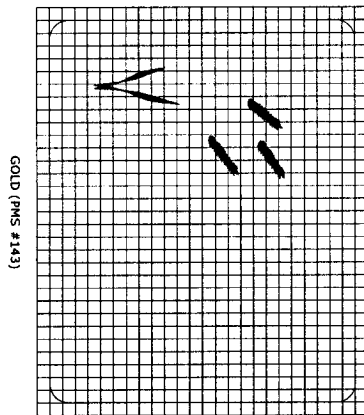
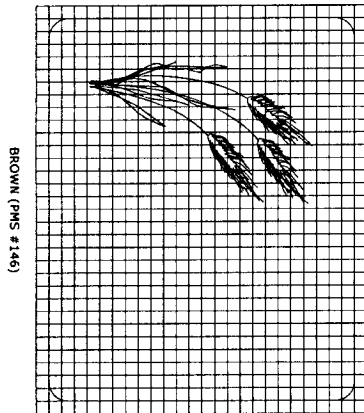
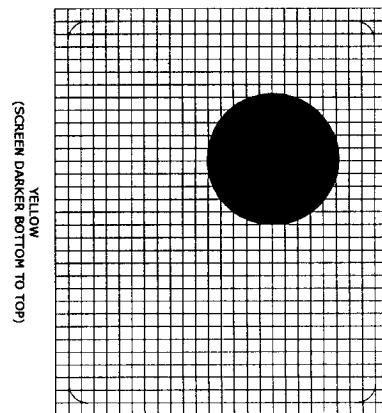
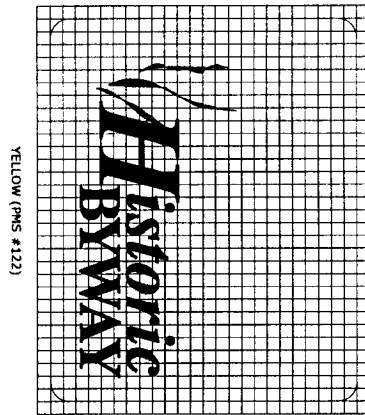
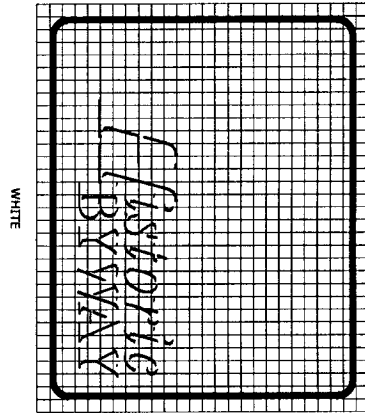
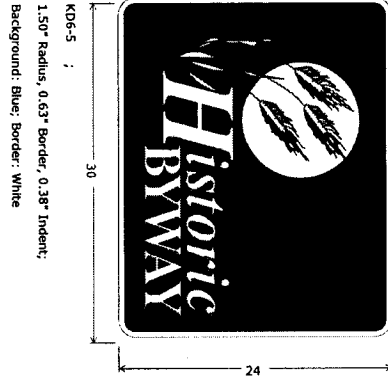
SECTION D-D

ALL DIMENSIONS ARE IN INCHES

NO.	DATE	DESCRIPTION	BY	APP'D.
1	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
2	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
3	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
4	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
5	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
6	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
7	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
8	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
9	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS
10	7/1/13	FLAT SHEET AND REINFORCED PANEL DETAILS FOR MOUNTING SIGNS ON WOOD POSTS	SS	SS

KDOT Graphics Certified 01-18-2011 SS No 52

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL
KANSAS	106-KA-1865-01	2012	52	56
TOTAL				



STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL
KANSAS	106-KA-1865-01	2012	53	56
TOTAL				

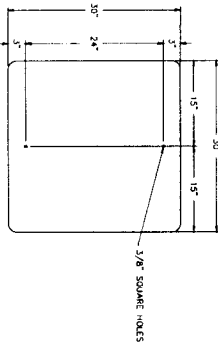
BLUE



WHITE



SIGN DIMENSION DIAGRAM  
 NOT TO SCALE



STATE	PROJECT NO.	TEAM	SHEET NO.	TOTAL
KANSAS	106-KA-1865-01	2012	54	56
REVISIONS				

SHEET 54	KDOT SIGNAGE PLANS SIGN LAYOUT FRONTIER MILITARY & ROUTE 66 HISTORIC BYWAYS KANSAS DEPARTMENT OF TRANSPORTATION MULTIPLE COUNTIES IN EASTERN KANSAS	2012	REV	DATE	REVISIONS DESCRIPTION	BY
REVISIONS						

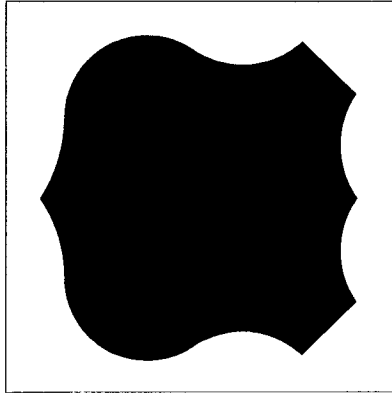
**MOLSSON ASSOCIATES**

7501 West 139th Street, Suite 200  
 Overland Park, KS 66213-4750  
 TEL: 913.381.1170  
 FAX: 913.381.1174  
[www.molssonassociates.com](http://www.molssonassociates.com)

7501 West 139th Street, Suite 200  
 Overland Park, KS 66213-4750  
 TEL: 913.381.1170  
 FAX: 913.381.1174  
[www.molssonassociates.com](http://www.molssonassociates.com)



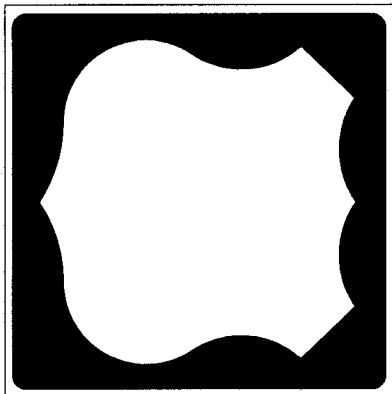
WHITE



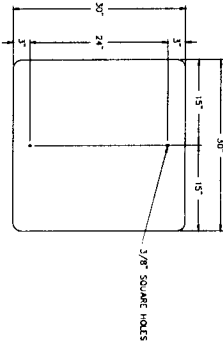
BLACK



LIGHT BROWN



SIGN DIMENSION DIAGRAM  
 NOT TO SCALE



STATE	PROJECT NO.	TEAM	SHEET NO.	TOTAL
KANSAS	108-64-1865-01	2012	55	56
TOTAL				